

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	665	coal with bed same nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:36
S2	149	S1 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:37
S3	1154	(166/302,57,60).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/25 16:03
S4	117	nitrogen same coal and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:38
S5	113	S4 and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:38
S6	104	nitrogen same coal same methane and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:42
S7	0	nitrogen with (heat\$3 or temperature) same coal same methane and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:43
S8	3	nitrogen with (heat\$3 or temperature) same coal same methane and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:45
S9	0	nitrogen with (hot) same coal same methane and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:30
S10	143	nitrogen same (heat\$3) same coal same methane and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:51
S11	81	nitrogen same (heat\$3) same coal same methane and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:50
S12	104	nitrogen same (heat\$3) same coal and S3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:50
S13	23	S12 not S11	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:50
S14	21	S13 and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 15:50
S15	39	nitrogen with coal same methane and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:03
S16	263	S3 and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:03



S17	117	S3 and nitrogen same coal\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:05
S18	113	S17 and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:03
S19	9	S18 not S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:04
S20	9901	nitrogen same coal\$3 "166.\$ccls."	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:06
S21	0	nitrogen same coal\$3 and "166. \$ccls."	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:06
S22	337	nitrogen same coal\$3 and "166"/\$. ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:06
S23	292	S22 and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:07
S24	188	S23 not S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:10
S25	128	S3 and coal and methane and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:10
S26	24	S25 not S6	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:10
S27	0	hot adj nitrogen and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:21
S28	157	hot adj nitrogen and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:21
S29	33	hot adj nitrogen and methane and coal	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:22
S30	87	heat near nitrogen and methane and coal	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:27
S31	48	S30 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:27
S32	329	heat near nitrogen and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:28

S33	48	S32 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:28
S34	4466	heat with nitrogen and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:38
S35	236	S34 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S36	210	S35 and (coal or coalbed)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S37	17528	heat\$3 with nitrogen and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S38	2151	S37 and (coal or coalbed)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S39	230	S38 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S40	0	S39 not S37	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:39
S41	20	S39 not S36	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:40
S42	34	nitrogen with methane with coal and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:50
S43	247	nitrogen same methane same coal and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:50
S44	217	S43 and (heat\$3 hot)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:51
S45	1825	(166/302,272.2,303,57-62).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/26 19:58
S46	113	S43 and S45	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 20:06
S47	0	S46 not S44	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 19:58
S48	905	heat\$3 with (coal coalbed) same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 20:07

S49	219	S48 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 20:07
S50	199	S49 and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:29
S51	905	heat\$3 with (coal coalbed) same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:29
S52	219	S51 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:34
S53	199	S52 and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:29
S54	224171	S53 and coiled tubing	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:30
S55	179	S53 and coiled adj tubing	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:34
S56	1408	nitrogen same coal same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:34
S57	247	S56 and "166"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:34
S58	75	S57 not S55	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:34
S59	6	S58 and coiled adj tubing	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:35
S60	381	(166/60).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/06/26 21:35
S61	1	S60 and nitrogen and coiled adj tubing and packer	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:36
S62	381	S60 S60 not 7coiled adj tubing and packer	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:36
S63	353	S60 not S57	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:53
S64	13	S63 and coiled adj tubing	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:43

S65	46	("1439340" "1525656" "1681523" "2632836" "2754912" "3109912" "3163745" "4285401" "4378846" "4508172" "4570715" "4572299" "4614392" "4627490" "4694907" "4704514" "4741386" "4903769" "4913236" "4951748" "5020596" "5058681" "5060287" "5065818" "5070533" "5099918" "5120935" "5361845" "5437003").PN. OR ("5539853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:41
S66	80	S63 and pack\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:43
S67	264	S63 not (S66 S65)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:54
S68	56	packers with isolate with treatment	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:57
S69	0	166/248,60	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:57
S70	551	(166/248,60).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/12/12 09:39
S71	0	S70 and straddle adj pack\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/26 21:58
S72	39	nitrogen with (hot) same coal same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:30
S73	17	nitrogen with (hot) with coal same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:30
S74	22	S72 not S73	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:30
S75	9	heat\$3 with coal with bed with seam	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:47
S76	43	heat\$3 with coal with bed same methane and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:46
S77	1	heat\$3 with coal with bed same methane and nitrogen	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/12 09:46

S78	6	heat\$3 with coal with seam same methane and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:46
S79	280	heat\$3 with coal with bed and methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:48
S80	65	heat\$3 with coal with bed same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:48
S81	22	S80 not S76	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/12 09:50
S82	1	("5769165").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/12 09:50
S83	1	("5539853").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/12 09:50
S84	4	heat with coal with bed with seam with methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:17
S85	10	heat with coal with seam with methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:18
S86	6	S85 not S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:17
S87	20	heat with coal with bed with methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:21
S88	16	S87 not S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:19

S89	2	shrink with coal with bed with methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:22
S90	3	shrink same coal same bed same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:23
S91	18	shrink same coal same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 11:32
S92	37	shrink\$3 same coal same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:25
S93	26	S92 and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:23
S94	1	("4883122").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/16 13:23
S95	38	shrink\$3 same coal\$3 same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:26
S96	37	shrink\$3 same coal same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:26
S97	1	S95 not S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:26

S98	94	shrink\$3 same coal\$3 and methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:26
S99	56	S98 not S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:26
S100	679	shrink\$3 same coal\$3 same (heat\$3 hot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:27
S101	49	shrink\$3 same coal\$3 same (heat\$3 hot) and methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:09
S102	22	shrink\$3 same coal\$3 same (high with temperature) and methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 13:34
S103	1	("5072990").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/16 13:37
S104	22	shrink\$3 same coal\$3 same (heat\$3 hot) same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:01
S105	38	shrink\$3 same coal\$3 same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:42
S106	27	S105 and nitrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/16 14:43

S10 7	27	shrink\$3 same coal\$3 same (heat\$3 hot high temperature) same methane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 07:15
S10 8	1	("5539853").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/19 07:34
S10 9	1	("5,769,165").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/19 07:56
S11 0	1	("5072990").PN.	US-PGPUB; USPAT	OR	OFF	2005/12/19 07:57
S11 1	207	shrink same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 07:57
S11 2	285	smaller same methane same coal\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 07:58
S11 3	58	coal\$ with smaller same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 07:58
S11 4	41	coal\$ with smaller same methane same (heat\$3 high temperature hot)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:01
S11 5	225	coal\$ same smaller same methane same (heat\$3 high temperature hot)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 07:59
S11 6	591	coal with seams same methane	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:12
S11 7	411	S116 and 166\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:12